

## **Abstract**

**Title:** Effect of disciplinary specialization on the body mass distribution in the body of karateka

**Aim of work:** The main aim this thesis is to discover whether the disciplinary specialization affects the body mass distribution on limbs of karateka.

**Methods:** The thesis has an empiric and theoretic character. Data collection is processed by dynamometry, measurement of limb circuits and body mass analysis by Tanita MC-980. Data evaluation is processed by basic statistic methods.

**Keywords:** Karate, kata, kumite, dynamometry, symmetry